### IAP7 Rec'd PCT/PTO 15 MAY 2006

PTO-1390 (Rev. 07-2005)
Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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#### ATTORNEY'S DOCKET NUMBER TRANSMITTAL LETTER TO THE UNITED STATES 4385-061402 **DESIGNATED/ELECTED OFFICE (DO/EO/US)** U.S. APPLICATI **CONCERNING A SUBMISSION UNDER 35 U.S.C. 371** INTERNATIONAL APPLICATION NO. PCT/EP2004/013219 INTERNATIONAL FILING DATE PRIORITY DATE CLAIMED 18.11.2003 (November 18, 2003) 17.11.2004 (November 17, 2004) TITLE OF INVENTION Anti-Bacterial Additive APPLICANT(S) FOR DO/EO/US Tatjana JAVOR and Arthur SCHWESIG Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information: This is a FIRST submission of items concerning a submission under 35 U.S.C. 371. This is a SECOND or SUBSEQUENT submission of items concerning a submission under 35 U.S.C. 371. This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below. The US has been elected (Article 31). A copy of the International Application as filed (35 U.S.C. 371(c)(2)) is attached hereto (required only if not communicated by the International Bureau). has been communicated by the International Bureau. is not required, as the application was filed in the United States Receiving Office (RO/US). 6. [√] An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)). is attached hereto. has been previously submitted under 35 U.S.C. 154(d)(4). Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3)) are attached hereto (required only if not communicated by the International Bureau). have been communicated by the International Bureau. have not been made; however, the time limit for making such amendments has NOT expired. have not been made and will not be made. An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)). An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). An English language translation of the annexes of the International Preliminary Examination Report under PCT 10. l Article 36 (35 U.S.C. 371(c)(5)). Items 11 to 20 below concern document(s) or information included: 11. l An Information Disclosure Statement under 37 CFR 1.97 and 1.98. An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included. A preliminary amendment. An Application Data Sheet under 37 CFR 1.76. A substitute specification. A power of attorney and/or change of address letter. A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821- 1.825. A second copy of the published International Application under 35 U.S.C. 154(d)(4). A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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| U.S. APPLICAT  | TON NO. (if known,   | see 37 CFR 1.5) | PCT/EP2004/013219  |         |          | ATTORNEY'S DOC!<br>5-061402 | (FI NOWREK    |  |
|--|----------------------|-----------------|--|---------|----------|-----------------------------|---------------|--|
| 101)1174   |                      |                 |  |         |          |                             |               |  |
| 20. Other  | items or information | on:             |  |         |          |                             |               |  |
|  |                      |                 |  |         |          |                             |               |  |
|  |                      |                 |  |         |          | 0111 4710110                | DTO LICE ONLY |  |
| The following fees have been submitted  21.   Basic national fee (37 CFR 1.492(a))   |                      |                 |  |         | \$       | CULATIONS                   | PTO USE ONLY  |  |
|  |                      |                 |  |         | ļ        | 300.00                      |               |  |
| 22. Examination fee (37 CFR 1.492(c))  |                      |                 |  |         |          | 200.00                      |               |  |
| If the written opinion prepared by ISA/US or the international preliminary examination report prepared by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)\$0  |                      |                 |  |         |          | 200.00                      |               |  |
| All other situations \$200   |                      |                 |  |         |          |                             |               |  |
| 23.  |                      |                 |  |         |          |                             |               |  |
| IT the Written Opinion to the 13x05 of the International planning years and the properties by IPEA/US indicates all claims satisfy provisions of PCT Article 33(1)-(4)\$0  Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an |                      |                 |  |         |          | 400.00                      |               |  |
| International Search Report prepared by an ISA other than the US and provided to the Office or   |                      |                 |  |         |          |                             |               |  |
| previously   | communicated to      |                 |  |         |          |                             |               |  |
| All other situations\$500  |                      |                 |  |         |          | 900.00                      |               |  |
| TOTAL OF 21, 22 and 23 =  Additional fee for specification and drawings filed in paper over 100 sheets (excluding  |                      |                 |  |         |          | 900.00                      |               |  |
| sequence listing in compliance with 37 CFR 1.821(c) or (e) or computer program listing in an electronic medium) (37 CFR 1.492(j)).   |                      |                 |  |         |          |                             |               |  |
| The fee is \$250 for each additional 50 sheets of paper or fraction thereof.   |                      |                 |  |         | 1        |                             |               |  |
| Total Sheets   | Extra Sheets         |                 | lumber of each additional 50 or fraction RATE thereof (round up to a whole number) |         |          |                             |               |  |
| 25 <sub>- 100</sub> =  | /50 =                |                 |  | x \$250 | \$       | 0                           |               |  |
| Surcharge of \$130.00 for furnishing any of the search fee, examination fee, or the oath or declaration after the date of commencement of the national stage (37 CFR 1.492(h)).  |                      |                 |  |         |          | 130.00                      |               |  |
| CLAIMS   | NUMBER FILED         |                 | NUMBER EXTRA   | RATE    | \$       |                             |               |  |
| Total claims   | 26                   | - 20 =          | 6  | × \$ 50 | \$       | 300.00                      |               |  |
| Independent claims 3 - 3   |                      | - 3 =           | 0  | × \$200 | \$<br>\$ | 0                           |               |  |
| MULTIPLE DEPENDENT CLAIM(S) (if applicable) + \$360  |                      |                 |  |         |          | 0                           |               |  |
| TOTAL OF ABOVE CALCULATIONS =  Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 1/2.   |                      |                 |  |         |          | 1,330.00                    |               |  |
| Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by 72.  SUBTOTAL =   |                      |                 |  |         |          | 1,330.00                    |               |  |
| SUBTOTAL = \$ 1,330.00  Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest \$  |                      |                 |  |         |          |                             |               |  |
| claimed priority date (37 CFR 1.492(i)).   |                      |                 |  |         |          | 0                           |               |  |
| TOTAL NATIONAL FEE =   |                      |                 |  |         | \$       | 1,330.00                    |               |  |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00</b> per property +  |                      |                 |  |         |          | 0                           |               |  |
| TOTAL FEES ENCLOSED =  |                      |                 |  |         |          | 1,330.00                    |               |  |
|  |                      |                 |  |         |          | ount to be<br>nded:         | \$            |  |
| -  |                      |                 |  |         | -        | unt to be                   | \$            |  |

## 10/579438 !AP9Rec'dPCT/PTO 15 MAY 2006

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| a. A check in the amount of \$ 1,330.00  | _ to cover the above for               | ees is enclosed.   |  |  |  |  |
| b. Please charge my Deposit Account NoA duplicate copy of this sheet is enclosed.  | in the amount of \$                    | to cover the above fees.   |  |  |  |  |
| c. The Commissioner is hereby authorized to charge any Account No. 23-0650 . A duplicate copy of this sh   | additional fees which eet is enclosed. | may be required, or credit any overpayment to Deposit              |  |  |  |  |
| d. Fees are to be charged to a credit card. WARNING: In be included on this form. Provide credit card information  |  | may become public. Credit card information should not on PTO-2038. |  |  |  |  |
| NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| SEND ALL CORRESPONDENCE TO:  Richard L. Byrne The Webb Law Firm 700 Koppers Building 436 Seventh Avenue Pittsburgh, PA 15219-1845 Telephone: (412) 471-8815 Facsimile: (412) 471-4094                          | <u></u>                                | SIGNATURE Richard L. Byrne  NAME 28,498  REGISTRATION NUMBER       |  |  |  |  |

# 10/579438 IAPPROCUPCTIFTO 15 MAY 2006 PATENT APPLICATION/PCT

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

| IN RE APPLICATION OF:   | ATTORNEY'S DOCKET NUMBER  |
|---|---|
| Tatjana JAVOR<br>Arthur SCHWESIG  | 4385-061402   |
| PCT/EP2004/013219   |   |
| ENTITLED  |   |
| "ANTI-BAC"  | ΓERIAL ADDITIVE"  |
| To MAIL STOP PCT Attention: DO/EO/US Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450   | · · · · · · · · · · · · · · · · · · ·   |
| EXPRESS M   | IAIL CERTIFICATE  |
| "Express Mail" Label Nu   | mber <u>EV833570863US</u>   |
| Date of Deposit   | May 15, 2006  |
| I hereby certify that the following a   | attached papers or fees   |
| ELECTED OFFICE (DO/EO/U<br>35 U.S.C. 371 (original and<br>of \$1,330.00 for filing fee<br>APPLICATION<br>PRELIMINARY AM<br>WO 2005/048716 - FRONT PAGE with<br>VERIFIED ENGLISH TRANS | THE UNITED STATES DESIGNATED/ US) CONCERNING A FILING UNDER I one (1) copy) and check in amount and surcharge for late Declaration N DATA SHEET (2 pp.) ENDMENT with ABSTRACT th ABSTRACT and SEARCH REPORT (4 pp.) SLATION PCT/EP2004/013219 (31 pp.) AATION OF AMENDED SHEETS (8 pp.) |
| Addressee" service under 37 C.F.R. §1.10  | ates Postal Service "Express Mail Post Office to<br>on the date indicated above and is addressed to Mail<br>. Box 1450, Alexandria, VA, 22313-1450.   |
| (Тур  | Nora Ann Pastrick ed name of person mailing paper or fee)  La lun lastrick  |
| (Sign   | nature of person mailing paper or fee)  |